

## Refine Search

### Search Results -

| Terms       | Documents |
|-------------|-----------|
| L14 and L13 | 4         |

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L15

Refine Search

Recall Text

Clear

Interrupt

### Search History

**DATE:** Sunday, May 23, 2004    [Printable Copy](#)    [Create Case](#)
**Set Name**    **Query**  
 side by side

**Hit Count**    **Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

|            |                                            |       |            |
|------------|--------------------------------------------|-------|------------|
| <u>L15</u> | L14 and l13                                | 4     | <u>L15</u> |
| <u>L14</u> | 560/\$                                     | 67071 | <u>L14</u> |
| <u>L13</u> | L7 and metal\$2 with impurit\$6            | 9     | <u>L13</u> |
| <u>L12</u> | L7 and impurit\$6                          | 27    | <u>L12</u> |
| <u>L11</u> | L7 and metal\$2impurit\$6                  | 0     | <u>L11</u> |
| <u>L10</u> | L7 and metal impurit\$6                    | 0     | <u>L10</u> |
| <u>L9</u>  | L7 and metal\$5 impurit\$6                 | 0     | <u>L9</u>  |
| <u>L8</u>  | L7 and metal \$5 impurit\$6                | 0     | <u>L8</u>  |
| <u>L7</u>  | L6 and (olefin or propylene)               | 167   | <u>L7</u>  |
| <u>L6</u>  | L5 and catalyst                            | 208   | <u>L6</u>  |
| <u>L5</u>  | l1 and (heteropoly acid or heteropolyacid) | 227   | <u>L5</u>  |

*DB=USPT; PLUR=YES; OP=ADJ*

|           |                  |      |           |
|-----------|------------------|------|-----------|
| <u>L4</u> | l2 and ester.ti. | 103  | <u>L4</u> |
| <u>L3</u> | l2 and ester     | 2140 | <u>L3</u> |

|           |                                      |       |           |
|-----------|--------------------------------------|-------|-----------|
| <u>L2</u> | ethylene with acetic acid with ester | 2140  | <u>L2</u> |
| <u>L1</u> | ethylene and acetic acid and ester   | 51843 | <u>L1</u> |

END OF SEARCH HISTORY

## Hit List

|               |                     |       |          |           |
|---------------|---------------------|-------|----------|-----------|
| Clear         | Generate Collection | Print | Fwd Refs | Bkwd Refs |
| Generate OACS |                     |       |          |           |

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US RE38283 E

Using default format because multiple data bases are involved.

L15: Entry 1 of 4

File: USPT

Oct 21, 2003

US-PAT-NO: RE38283

DOCUMENT-IDENTIFIER: US RE38283 E

TITLE: Catalyst for use in producing carboxylic esters

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

| NAME              | CITY         | STATE | ZIP CODE | COUNTRY |
|-------------------|--------------|-------|----------|---------|
| Yamamatsu; Setsuo | Fuji         |       |          | JP      |
| Yamaguchi; Tatsuo | Shizuoka-ken |       |          | JP      |
| Yokota; Koshiro   | Kurashiki    |       |          | JP      |

US-CL-CURRENT: 560/210; 502/102, 560/238

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 2. Document ID: US 6232491 B1

L15: Entry 2 of 4

File: USPT

May 15, 2001

US-PAT-NO: 6232491

DOCUMENT-IDENTIFIER: US 6232491 B1

TITLE: Purification process for removal of impurities in acetic acid-ethylene reactions

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 3. Document ID: US 6040472 A

L15: Entry 3 of 4

File: USPT

Mar 21, 2000

US-PAT-NO: 6040472

DOCUMENT-IDENTIFIER: US 6040472 A

TITLE: Catalyst for use in producing carboxylic esters

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KM/C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 4. Document ID: US 4579967 A

L15: Entry 4 of 4

File: USPT

Apr 1, 1986

US-PAT-NO: 4579967

DOCUMENT-IDENTIFIER: US 4579967 A

TITLE: Production of alkyl methacrylate

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KM/C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

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|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

|             |           |
|-------------|-----------|
| Terms       | Documents |
| L14 and L13 | 4         |

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)